

IN THE CLAIMS:

Claim 1 (canceled)

Claim 2 (currently amended): The human machine interface of claim 4 33, further ~~comprising including~~: a direct physical connection element between the said validator ~~receiver controller~~ and the said data transmitter; wherein the said at least one data signal is transmitted ~~through the~~ via said direct physical connection element.

Claim 3 (currently amended): The human machine interface of claim 2, wherein the said data transmitter ~~comprises includes~~: a at least one capacitance plate secured to the said human nail ~~for communicating with said validator controller via said direct physical connection element~~; and a circuit return conductor.

Claim 4 (currently amended): The human machine interface of claim 4 33, further ~~comprising including~~ a data transmitter power source powering the said data transmitter.

Claim 5 (currently amended): The human machine interface of claim 4 33, further ~~comprising including~~ a validator controller power source powering the said validator controller.

Claim 6 (currently amended): The human machine interface of claim 4 33, wherein the said validator controller further ~~comprises includes~~ a validator emitter ~~configured to emit signals for emitting at least one signal~~ towards the said data transmitter.

Claim 7 (canceled)

Claim 8 (currently amended): The human machine interface of claim 7 34, further ~~comprising including~~: a direct physical connection element between the said validator receiver and the said data transmitter; wherein a said at least one data signal is transmitted ~~through the~~ via said direct physical connection element.

Claim 9 (currently amended): The human machine interface of claim 8, wherein the said data transmitter further ~~comprises~~ includes a nail analog chip in communication with the said nail digital chip.

Claim 10 (currently amended): The human machine interface of claim 9, wherein the said data transmitter further ~~comprises~~ includes: at least one capacitance plate secured to the said human nail and ~~configured to communicate for communicating~~ with the said nail analog chip; and a circuit return conductor.

Claim 11 (currently amended): The human machine interface of claim 7 34, wherein the said data transmitter further ~~comprises~~ includes a nail signal emitter ~~configured to emit for emitting said at least one data signals signal~~ towards the said validator receiver.

Claim 12 (currently amended): The human machine interface of claim 11, wherein the said data transmitter further ~~comprises~~ includes a nail analog chip in communication with the said nail digital chip.

Claim 13 (currently amended): The human machine interface of claim 12, wherein the said data transmitter further ~~comprises~~ includes at least one capacitance plate secured to the said human nail and ~~configured to communicate for communicating~~ with the said nail analog chip.

Claim 14 (currently amended): The human machine interface of claim 6, wherein the said data transmitter further ~~comprises~~ includes at least one capacitance plate secured to the said human nail.

Claim 15 (currently amended): The human machine interface of claim 14, wherein the said data transmitter further ~~comprises~~ includes an inductor in communication with the said at least one capacitance plate and ~~configured to emit for emitting said at least one data signals signal~~ towards the said validator ~~receiver controller~~.

Claim 16 (currently amended): The human machine interface of claim 4 33, further comprising including a recording device, ~~the recording device configured to log for logging~~ specific events occurring within the said human machine interface and associated devices.

Claim 17 (currently amended): The human machine interface of claim 4 33, further comprising including: a ~~data transmitter~~ protective layer covering and protecting the said data transmitter; wherein the said protective layer does not interfere with communication of data signals between the said data transmitter and the said validator controller.

Claim 18 (currently amended): The human machine interface of claim 4 33, further comprising including: a ~~validator controller~~ protective layer covering and protecting the said validator controller; wherein the said protective layer does not interfere with communication of data signals between the said data transmitter and the said validator controller.

Claim 19 (currently amended): The human machine interface of claim 4 33, further comprising including an adhesive layer between the said data transmitter and the said human nail, ~~the said adhesive layer configured to non-permanently secure the temporarily securing said data transmitter to the said human nail.~~

Claim 20 (currently amended): The human machine interface of claim 4 33, wherein the said validator ~~status-actuator controller~~ communicates with a controllable device logic circuit in a controllable device, ~~the control said controllable~~ device logic circuit in communication with a said controllable device ~~and configured to control the for controlling said~~ controllable device.

Claim 21 (currently amended): The human machine interface of claim 4 33, further comprising including a timer device in communication with one of the said validator controller and the said data transmitter ~~and configured to associate a time with an event.~~

Claim 22 (currently amended): The human machine interface of claim 1 33, wherein the said at least one data signal is encrypted prior to communication from the said data transmitter to the said validator controller.

Claim 23 (currently amended): The human machine interface of claim 1 33, further comprising including a positioning system integrated with the said human machine interface and configured to provide for providing human machine interface location information to an external recipient.

Claims 24-26 (canceled)

Claim 27 (currently amended): The human machine interface of claim 25 36, wherein the said validator controller further comprises includes a validator emitter configured to emit signals for emitting at least one signal towards the said data transmitter.

Claim 28 (currently amended): The human machine interface of claim 27, further comprising including: a directional reflector configured to reflect the signals for reflecting said at least one signal from the said validator emitter only when received at a predetermined angle; and an electronic shutter adjacent the said directional reflector and configured to modulate the for modulating said at least one data signal from said validator emitter; wherein the external said at least one data signal from said validator emitter is received through the said electronic shutter and by the said directional reflector, and the said at least one data signal from said validator emitter is reflected and modulated by the data transmitter said directional reflector, towards the said validator controller.

Claim 29 (currently amended): The human machine interface of claim 25 36, wherein the said data transmitter further comprises includes a nail digital chip, the nail digital chip containing at least one computer program.

Claim 30 (currently amended): The human machine interface of claim 25 36, wherein the said at least one data signal communicated from the said data transmitter to the said validator controller is a correlation between a first spatial point associated with the said data transmitter and a second spatial point.

Claim 31 (currently amended): The human machine interface of claim 30, wherein the said first spatial point is adjacent a user's nail and the said second spatial point is on a screened monitor.

Claim 32 (canceled)

Claim 33 (new): A human machine interface, comprising:

- (a) a data transmitter in fixed contact with a human nail for transmitting at least one data signal based upon physical properties of at least one of said human nail and surrounding areas adjacent said human nail; and
- (b) a validator controller connected to receive said at least one data signal, process information related to said at least one data signal and perform at least one action based upon processed information.

Claim 34 (new): A human machine interface, comprising:

- (a) a data transmitter in fixed contact with a human nail, said data transmitter including a nail solar cell for powering said data transmitter and in communication with a nail digital chip, said nail digital chip for transmitting at least one data signal based upon physical properties of at least one of said human nail and surrounding areas adjacent said human nail; and
- (b) a validator controller connected to interface with said data transmitter, said validator controller including a validator receiver for receiving said at least one data signal transmitted from said data transmitter, a validator logic circuit for processing information related to said at least one data signal received by said validator receiver, a validator status actuator for performing at least one action based upon information processed by said validator logic circuit and a validator emitter for emitting at least one signal towards said data transmitter.

Claim 35 (new): A method of creating a human machine interface for at least one of enabling and disabling an event and identifying which human nail is used to perform a task, comprising the steps of:

- (a) affixing a data transmitter to at least one human nail to transmit at least one data signal based upon physical properties of at least one of said at least one human nail and surrounding areas adjacent said at least one human nail;
- (b) interfacing a validator controller with said data transmitter;
- (c) receiving said at least one data signal transmitted from said data transmitter to said validator controller;
- (d) processing information related to said at least one data signal received in said validator controller; and
- (e) performing at least one action based upon information processed by said validator controller.

Claim 36 (new): A human machine interface, comprising:

- (a) a data transmitter in fixed contact with a human nail for transmitting at least one data signal based upon at least one of relative position, state, motion and acceleration of at least one of said human nail and surrounding areas adjacent said human nail, with respect to an external point; and
- (b) a validator controller connected to interface with said data transmitter, said validator controller including:
 - (i) a validator receiver for receiving said at least one data signal transmitted from said data transmitter,
 - (ii) a validator logic circuit for processing information related to said at least one data signal received by said validator receiver, and
 - (iii) a validator status actuator for performing at least one action based upon information processed by said validator logic circuit.

Claim 37 (new): A human machine interface, comprising:

(a) a data transmitter in fixed contact with a human nail, said data transmitter including a sensor in communication with a nail analog chip, said nail analog chip in communication with a nail digital chip, said nail digital chip for transmitting at least one data signal based upon at least one of relative position, state, motion and acceleration of at least one of said human nail and surrounding areas adjacent said human nail, with respect to an external point; and

(b) a validator controller connected to interface with said data transmitter, said validator controller including a validator receiver for receiving said at least one data signal transmitted from said data transmitter, a validator logic circuit for processing information related to said at least one data signal received by said validator receiver, and a validator status actuator for performing at least one action based upon information processed by said validator logic circuit.

Claim 38 (new): A human machine interface, comprising:

(a) a data transmitter in fixed contact with a human nail for transmitting at least one data signal based upon at least one of relative position, state, motion and acceleration of at least one of said human nail and surrounding areas adjacent said human nail, with respect to an external point; and

(b) a validator controller connected to receive said at least one data signal, process information related to said at least one data signal and perform at least one action based upon processed information.

Claim 39 (new): A security apparatus, comprising:

(a) a data transmitter in fixed contact with a human nail for transmitting at least one data signal based upon physical properties of at least one of said human nail and surrounding areas adjacent said human nail; and

(b) a validator controller interfaced with said data transmitter, said validator controller including;

- (i) a validator receiver for receiving said at least one data signal transmitted from said data transmitter,
- (ii) a validator logic circuit for processing information related to said at least one data signal received by said validator receiver, and
- (iii) a validator status actuator for performing at least one action based upon information processed by said validator logic circuit.

Claim 40 (new): The human machine interface of claim 23, wherein said positioning system integrated with said human machine interface for providing said human machine interface location information to said external recipient is a Global Positioning System.

Claim 41 (new): The human machine interface of claim 33, wherein said at least one data signal transmitted is representative of a change in colorization of flesh under said human nail for verifying that an individual's finger having said data transmitter affixed to said human nail is pressing on a predetermined surface to indicate at least one of said individual wants to perform at least one of an action and transaction and to determine that said individual is alive.

Claim 42 (new): The human machine interface of claim 33, wherein said human machine interface further includes a power source for powering a timer device which periodically reads at least one of a pulse and approximate blood oxygen content via at least one of said human nail and said surrounding areas adjacent said human nail to verify at least one of connection of said human nail to a predetermined individual, said predetermined individual is still alive and whether said predetermined individual's pulse indicates that one of said predetermined individual is under duress and under a drugged state.

Claim 43 (new): The human machine interface of claim 38, wherein said at least one data signal transmitted is representative of a change in colorization of flesh under said human nail for verifying that an individual's finger having said data transmitter affixed to said human nail is pressing on a predetermined surface to indicate at least one of said individual wants to perform at least one of an action and transaction and to determine that said individual is alive.

Claim 44 (new): The human machine interface of claim 38, wherein said human machine interface further includes a power source for powering a timer device which periodically reads at least one of a pulse and approximate blood oxygen content via at least one of said human nail and said surrounding areas adjacent said human nail to verify at least one of connection of said human nail to a predetermined individual, said predetermined individual is still alive and whether said predetermined individual's pulse indicates that one of said predetermined individual is under duress and under a drugged state.

Claim 45 (new): The human machine interface of claim 36, wherein said human machine interface further includes a means for illuminating at least one of said human nail and said areas adjacent said human nail, one of said data transmitter and said validator receiver for detecting colorization of flesh under said human nail being illuminated and verifying that an individual having said data transmitter affixed to said human nail is alive.